PCT/SE 2004/001473

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B04B 1/08, B04B 11/02, B04B 11/06
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B04B, B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
. A	US 5186708 A (KLAUS STROUCKEN ET AL), 16 February 1993 (16.02.1993), column 1, line 5 - line 30, figures 1,2, claims 1-18, abstract	1-18
	 -	
A	DT 2710415 A1 (VEB KOMBINAT IMPULSA BETRIEB VEB), 13 October 1977 (13.10.1977), figures 1,2, claims 1-4	1-18
	~~	
A	US 5362292 A (LEONARD BORGSTRÖM ET AL), 8 November 1994 (08.11.1994), column 3, line 46 - line 48, figures 1-3, claims 1-15, abstract	1-18
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V	Further	documents	are liste	d in the	continuation	of Box C.
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See patent family annex.

- Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- earlier application or patent but published on or after the international filing date
- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- document referring to an oral disclosure, use, exhibition or other
- document published prior to the international filing date but later than the priority date claimed
- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

1 7 -02- 2005

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

2 February 2005

Name and mailing address of the ISA/ Authorized officer

Swedish Patent Office

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Form PCT/ISA/210 (second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001473

	PCI/SE	2004/001473
C (Continu	pation). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passage	ges Relevant to claim N
A	US 3990631 A (WALLACE J. SCHALL), 9 November 1976 (09.11.1976), column 2, line 60 - line 66; column 4, line 36 - line 41, figure 1, claims 1-: abstract	1-18
A	US 5052996 A (CHRISTER LANTZ), 1 October 1991 (01.10.1991), column 4, line 21 - line 41, figure 1,5, abstract	1-18
A	US 5720705 A (CLAES INGE ET AL), 24 February 1998 (24.02.1998), column 3, line 41 - line 51, figure 1, claims 1-3, abstract	1-18
	· •	
	1	
		*
1		

INTERNATIONAL SEARCH REPORT

Information on patent family members

31/12/2004

International application No.

PCT/SE 2004/001473

US	5186708	Α .	16/02/1993	CA DE DK EP ES JP JP KR SE SE	2045611 A,C 69002614 D,T 455780 T 0455780 A,B 2045955 T 3004352 B 4505125 T 154876 B 465018 B,C 8903988 A 9108054 A	28/05/1991 18/11/1993 22/11/1993 13/11/1991 16/01/1994 31/01/2000 10/09/1992 16/11/1998 15/07/1991 28/05/1991 13/06/1991
Ta	2710415	A1	13/10/1977	NONE		
US	5362292	A	08/11/1994	BR CN CN DE EP SE JP JP SE SE WO SE	9104435 A 1028612 B 1055307 A 69103356 D,T 0468028 A,B 0468028 T3 3004353 B 4505421 T 465501 B,C 9000540 A 9112082 A 9100100 D	21/04/1992 31/05/1995 16/10/1991 01/12/1994 29/01/1992 31/01/2000 24/09/1992 23/09/1991 16/08/1991 22/08/1991 00/00/0000
US	3990631	A	09/11/1976	NONE		
US	5052996	A	01/10/1991	BR CN CN DE EP SE JP JP SE	8907123 A 1021298 B 1041890 A 68908159 D,T 0390895 A,B 0390895 T3 2894762 B 3501705 T 8803686 A 9004460 A	05/02/1991 23/06/1993 09/05/1990 25/11/1993 10/10/1990 24/05/1999 18/04/1991 17/10/1988 03/05/1990

INTERNATIONAL SEARCH RÉPORT

Information on patent family members

31/12/2004

International application No.

PCT/SE 2004/001473

					•		•	•
	US	5720705	A	24/02/1998	AT	175593	Т	15/01/1999
					AU.	624195	В	04/06/1992
l				•	AU	4507089	A	28/05/1990
					BR	8907757	A	13/08/1991
[CN	1024905	В	08/06/1994
'					CN	1042671	Α	06/06/1990
	*				DE	68928908	D,T	10/06/1999
					EP	0534943	A,B	07/04/1993
					JP	2959575	В	06/10/1999
					JP	4501678	T	26/03/1992
					KŔ	136369	В	25/04/1998
				•	SE	462262	B,C	28/05/1990
					SE	8804029	A	08/11/1988
					US	5733239	A	31/03/1998
					WO	9005028		17/05/1990
			•		SE	8900598	D	00/00/0000